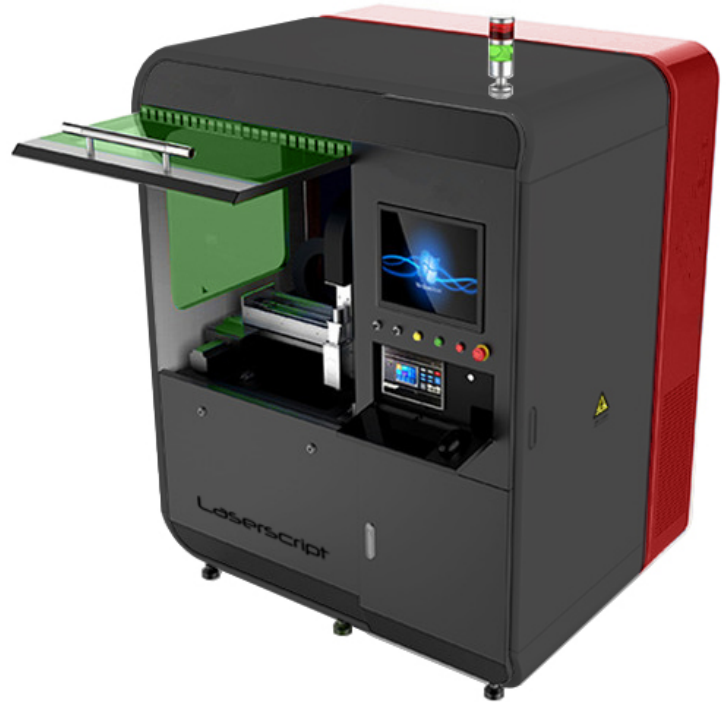


## LS0640 Fibre Metal Cutter

The LS0640 fibre metal cutting laser machine is a small, compact design housed in a convenient protective cabinet for maximum operator safety. Available with laser powers from 500W to 1kW and with multiple brands of laser source available. It is supplied complete with a compatible water chiller unit, fan system and exhaust ducting as standard.

With automatic height control, Panasonic servo control and a state-of-the-art computer system it is cleverly engineered for maximum flexibility and convenience.



### MACHINE FEATURES:

Fully enclosed cabinet system for optimal safety and fume extraction

500W as standard, with upgrades of 750W and 1kW available

Up to 100,000 working hours life for the fibre source

Automatic focus adjustment much faster than manual adjustment

Heavy duty sawtooth bed for supporting a wide range of materials and weights

High quality optics provide high accuracy, reliability and long life

Swiss Raytools laser head for maximum precision and reliability

Dual gas delivery system enables assist gas changeover through software

Popular and easy to use CypCut control system

Wireless operator keypad/control handle, keyboard and mouse

Water flow switch in chiller to provide protection against failure of cooling system

Chiller based laser source cooling system

Panasonic Servo Control and Schneider electrical components for reliable quality

### CUT:

Stainless steel	Zintec
Carbon steel	Brass
Silicon steel	Copper
Aluminium	Alloys
Titanium	Electrolytic Plate
Galvanised steel	



**LS0640**

<b>Laser power</b>	500W	750W	1kW
<b>Max. Cutting speed</b>	40m/minute		
<b>Max. Acceleration</b>	0.5G		
<b>Max. cutting thickness (mm)*</b>			
Carbon Steel	6mm	8mm	10mm
Stainless Steel	3mm	4mm	5mm
Aluminium	2mm	2mm	3mm
Non-Ferrous	2mm	2mm	3mm
<b>Cutting area</b>	600mm x 400mm		
<b>Laser source</b>	IPG / Raycus / MAX / NLight		
<b>Location precision</b>	±0.01mm		
<b>Drive system</b>	Servo Motor		
<b>Optics</b>	RayTools Cutting Head		
<b>Mounting</b>	Free standing		
<b>Cooling method</b>	Water Chiller		
<b>Cooling system</b>	CW6100		
<b>Fume extraction</b>	Separate air extraction system supplied (Optional self-contained fume filter system available)		
<b>Software</b>	CypCut		
<b>Preferred file types</b>	.dxf, .pl		
<b>Operating system support</b>	Professional on-board computer		
<b>Power supply</b>	380-415V 3 Phase		
<b>Machine dimensions (mm)</b>	1780 x 1190 x 1867mm		
<b>Machine weight</b>	1200kg		
<b>Cabinet safety</b>	Full protective enclosure with CE marked safety switches		
<b>Warranty</b>	12 months on site excluding consumables		

**OPTIONAL EXTRAS:**

Laser power upgrades available for faster speeds and thicker materials - 750W and 1kW  
AD2000 IQ BOFA Fume Filtration System

\*Any maximum cutting thicknesses are indicative only and not guaranteed